



7B6-LM

DUPLEX-DIODE HIGH-MU TRIODE
Single-Ended Metal Type
 (TENTATIVE DATA)

HEATER VOLTAGE (A.C. or D.C.)	6.3□	Volts
HEATER CURRENT	0.3□□	Ampere
MAXIMUM OVERALL LENGTH	2-5/8"	
MAXIMUM SEATED HEIGHT	2-3/32"	
MAXIMUM DIAMETER	1-1/4"	
BULB	Metal Shell, MT-8	
BASE	Small wafer octalox 8-Pin	
BASING DESIGNATION	8W	

□ Nominal value is 7 volts.
 □□ Nominal value is 0.32 ampere.

Triode Unit - Class A₁ Amplifier

PLATE VOLTAGE	250 max.*	Volts
CHARACTERISTICS:		
Heater Voltage #	6.3	Volts
Plate Voltage	250	Volts
Grid Voltage	-2	Volts
Amplification Factor	100	
Plate Resistance	91000	Ohms
Transconductance	1100	Micromhos
Plate Current	0.9	Milliampere

Diode Units - Two

The two diode units are placed around a cathode, the sleeve of which is common to the triode unit. Each diode has its own base pin. Diode biasing of the triode unit of the 7B6-LM is not suitable.

* Design maximum for 117-Volt line.

In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

Pin Connections

Pin 1 - Heater	Pin 6 - Diode Plate #1
Pin 2 - Triode Plate	Pin 7 - Cathode
Pin 3 - Triode Grid	Pin 8 - Heater
Pin 4 - Cathode	Plug - Shell
Pin 5 - Diode Plate #2	

(Pin numbers are according to RMA system)

Operating Position

Vertical or Horizontal - No restrictions